IAVOROVSCHI, V. (Auth.)

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol VI, No 5, Sep-Oct 1961, pp 425-430.

Data: "On the Regional Epidemiology of Tetanus."

Authors:

BACILA, E., -Dr.-
CIOCIRLIE, C., -Dr.-
IAVOROVSCHI, V., -Dr.-
TEODORESCU, Gh., -Dr.-
MARGINEANU, T., -Dr.-

IAZAGI, A., AND OTHERS

New variation in the cultivation of autumn wheat. p. 985.
Academia Republicii Populare Romine. COMUNICARILE. Bucuresti.
Vol. 5, no. 6, June 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4/5 No. 12, December 1955

RUMANIA/Cultivated Plants. Cereals. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77574.

Author : Iazagi A.; Dalas, V.; Bretan, I.; Boteanu, I.; Dumitrescu, M.; Miclea, C.; Pop, O.; Daniel, D.; Siclovan, V.; Gradinaru, N.; Timaru, A.; Stanescu, Z.; Enescu, S.; Doldea, E.; Greceanu, E.

Inst :

Title : On the Problem ofDividing Varieties of Winter Wheat and of Winter and Spring Barley and Oats into Districts.

Orig Pub: An Inst. cercetari agron., 1957, 24, No 5, 213-279.

Abstract: Results of a comparative study at experimental stations of the Scientific-Research Agronomy Institute of varieties divided into districts and those newly obtained for 1949-1952. In regard to winter

Card : 1/3

5

RUMANIA/Cultivated Plants. Cereals. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77574.

wheat, good results were shown of the variety divided into districts "Chenad" 117 and the new varieties "Tyrgu Frumos" 16, divided into the steppe and forest-steppe regions of Moldavia, and "Deregan" 77. In the forest zones of both slopes of the Carpathian and Western Mountains (Muntsiy Apusen') the variety "Chenad" 117 prevailed. In the steppe and forest-steppe regions of the western part of Omeniye, Banat and the central part of Transylvania - "Ovdom" 241, divided into districts in Deregan. As regards a barley variety, "Chenad" 395 is the most early maturing and frost resistant, is divided into all zones of cultivation of winter barley. As regards

Card : 2/3

MUSTAFAYEV, A.A., dots., kand. tekhn. nauk; IBAD-ZADE, Yu.A., doktor tekhn. nauk, akademik, red.

[Canals in sagging soils] Kanaly na prosadochnykh gruntakh. Baku, Izd-vo Azerb.Akad. sel'khoz.nauk, 1961. 277 p. (MIRA 17:5)

IBAD-ZADE, J. A. [Ibad-ZADE, Yu. A.], prof. DrSc.

Some problems of the theory of river bed formation.
Vodohosp cas 12 no. 1:34-47 '64.

1. Institut vodnykh problem Akademii nauk Azerbaydzhana, Baku.

IBAD-ZADE, Yusif Alikuli, doktor tekhn. nauk, prof.

[Irrigation structures] Suvarma gurgulary. Baky, Azerneshr, 1964. 96 p. [In Azerbaijani] (MIRA 17:5)

IBAD-ZADE, Yu.A.

Studying the shapes of the channels of curved streams. Izv. AN Azerb. SSR. Ser. fiz.-tekh. i mat. nauk no.2:121-132 '64. (MIRA 17:10)

ZAIROV, K.S.; BOYKO, V.M.; IBADOV, A. U.

Status of and measures for the further improvement of health education in Uzbekistan. Med. zhur. Uzb. no.10:3-8 O '60. (MIRA 13:12)

(UZBEKISTAN--HEALTH EDUCATION)

IBADOV, A.U.

Health education in the organization of a campaign against poliomyelitis in Uzbekistan. Gig.i san. 25 no.8:38-39 Ag '60.
(MIRA 13:11)

1. Iz Uzbekskogo respublikanskogo doma sanitarnogo prosveshcheniya.
(UZBEKISTAN—POLIOMYELITIS) (HEALTH EDUCATION)

IBADOV, A.U.

Sanitary instruction and public participation in the elimination and prevention of parasitic diseases in Uzbekistan. Med.zhur. Uzb. no.3:65-67 Mr '62. (MIRA 15:12)

1. Iz Nauchno-issledovatel'skogo instituta zdravookhraneniya i istorii meditsiny Ministerstva zdravookhraneniya UzSSR (direktor - kand.med.nauk S.A.Agzamkhodzhayev, nauchnyye rukovoditeli - prof. E.I.Atakhanov i kand.med.nauk I.S.Sokolov).
(UZBEKISTAN--COMMUNICABLE DISEASES--PREVENTION)

IBADOV, A. Yu.

USSR/Chemistry - Sulfa Drugs May/Jun 52

"An Iodometric Method for the Quantitative Determination of Sulfazole, Silfathiazole, Sulfadiazine, Sulfadimezine, and Phthalazole, A. Yu. Ibadov, Chair of Phar Chem, Tashkent Phar Inst.

"Aptechnoye Delo" No 3, pp 11-16

Investigated the reaction of heterocyclic sulfanilamides with iodine in an aq soln; devised an iodometric method for the quant detn of the drugs in question; describes a quant procedure for prepn of periodides of the sulfonamides with a yield approaching the theoretical.

221T21

IBADOV, A. Yu.

USSR/Chemistry - Sulfa Drugs May/Jun 52

"Quantitative Determination of Soluble White Streptocide, Sulcymide [Sulfanilcyanamide] and Sulfadimezine With a Hydrochloric Acid Solution of Iodine Chloride," A. I. Gengrinovich, A. Yu. Ibadov, Chair of Phar Chem, Tashkent Phar Inst

"Aptechnoye Delo" No 3, pp 18-21

Devised method for the quant detn of sol white streptocide, sulcymide, and sulfadimezine with the aid of hydrochloric acid soln of ICl. Isolated the products of iodation of the compds in question and established that they are di-iodosubstituted.

221T22

IBADOV, A. Yu.

"Some New Methods for the Quantitative Determination of Sulfanilamide Preparations." Cand Pharm Sci, Moscow Pharmaceutical Inst, Min Health USSR, Moscow, 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

I BADOV A. Yu.

IBADOV, A.Yu., kand.farmatsevticheskikh nauk; BESEDA, G.A., student

Iodometric method for determining thiadiazole. Apt. delo 6 no.6: 57-59 N-D '57. (MIRA 10:12)

1. Iz kafedry farmatsevticheskoy khimii (zav. - prof. Z.E.Manulkin) Tashkentskogo farmatsevticheskogo instituta.
(THIADAZOLE--ANALYSIS)

GENGRINOVICH, A.I.; IBADOV, A.Yu.

Iodochlorometric method for a quantitative determination of spherophysin benzoate. Apt.delo 7 no.2:67-68 Mr-Ap '58. (MIRA 11:4)

1. Iz kafedry tekhnologii lekarstvennykh form i galenovykh preparatov (zav.-prof. Z.M. Umanskiy) i kafedry farmatsevticheskoy khimii (zav. Z.E. Manulkin) Tashkentskogo farmatsevticheskogo instituta.
(AGMATINE)

IBADOV, A.Yu.; NAZRULLAYEV, S.N.

Iodometric method of quantitative analysis of dibasol. Apt. delo 10 no.5:33-34 S-O '61. (MIRA 14:12)

1. Tashkenskiy farmatsevticheskiy institut.
(DIBASOL--ANALYSIS)

IBADOV, A.Yu.

Quantitative determination of tiphen and methylthiouracil.
Apt. delo 14 no.5:80-82 S-O '65. (MIRA 18:11)

1. Tashkentskiy farmatsevticheskiy institut.

IBADOV, I.Yu.; KARIYEV, T.M.

Perforation of a solitary cyst of the kidney into the abdominal cavity. Urologiia 24 no.6:48-49 '59. (MIRA 13:12)
(KIDNEYS—DISEASES) (CYSTS)

IBADOV, I.Yu., assistent

Migrating calculus in a single double kidney. Med. zhur. Uzb. no. 1:64-65 Ja '60. (MIRA 13:8)

1. Iz kliniki obshchey khirurgii (zav. - dotsent I.K. Karayev) Andizhanskogo gosudarstvennogo meditsinskogo instituta.
(CALCULI, URINARY)

KARIYEV, T.M., assistent; IBADOV, I.Yu., assistent

Giant cyst of the ovary. Med. zhur. Uzb. no.6:67-68 Je '60.
(MIRA 15:2)

1. Iz kliniki obshchey khirurgii (zav. - dotsent I.K.Karayev) Andizhanskogo gosudarstvennogo meditsinskogo instituta.
(OVARIES--TUMORS)

IBADOV, I.Yu. (Andishan)

Calculi of the urinary bladder and urethra in infants. Fel'd. i akush. 25 no.11:20-24 N '60. (MIRA 13:11)
(CALCULI, URINARY)

IBADOV, I.Yu.; KARIYEV, T.M.

Subcutaneous rupture of echinococcosis of the liver. Vest.khir. 85 no.11:129-130 N '60. (MIRA 14:2)

1. Iz kafedry obshchey khirurgii (zav. - d-r med.nauk I.K. Karayev) Andizhanskogo meditsinskogo instituta (dir. - zasl. vrach UzSSSR Ya.A. Alimov). Adres avtorov: Andizhan, Meditsinskiy institut, kafedra obshchey khirurgii.

(LIVER--HYDATIDS)

IBADOV, I.Yu., assistent

Blind single-row suture for a surgical wound of the urinary bladder. Med. zhur. Uzb. no. 2:59-60 F '61. (MIRA 14:2)

1. Iz kliniki obshchey khirurgii (zav. - dotsent I.K. Karayev) Andizhanskogo gosudarstvennogo meditsinskogo instituta.
(BLADDER--SURGERY) (SUTURES)

IBADOV, I.Yu., assistent

Case of double invagination of the intestine in the abdominal form of Schoenlein-Henoch disease. Med.zhur. Uzb. no.4:51-52 Ap '61. (MIRA 14:5)

1. Iz kliniki obshchey khirurgii (zav. - dotsent I.K.Karayev) Andizhanskogo gosudarstvennogo meditsinskogo instituta.
(INTESTINES—INTUSSUSCEPTION) (PURPUPA (PATHOLOGY))

IBADOV, I.Yu. (Andizhan)

Invagination of the intestine in children. Fel'd. i akush. 26 no.5: 10-12 My '61. (MIRA 14:5)

(INTESTINES--INTUSSCEPTION)

IBADOV, I.Yu., assistent

On "hernial appendicitis." Vest.khir. no.5:85-87 '61.
(MIRA 15:1)

1. Iz kliniki obshchey khirurgii (zav. - doktor med.nauk I.K. Karayev) Andizhanskogo meditsinskogo instituta.
(HERNIA) (APPENDICITIS)

IBADOV, I.Yu. (Andizhan)

Volvulus. Fel'd. i akush. 26 no.11:11-15 N '61. (MIRA 15:2)
(INTESTINES--OBSTRUCTIONS)

IBADOV, I.Yu.; MUKHARAMOV, A.A.

Abdominal syndrome in Schoenlein-Henoch disease. Pediatriia 39 no.2:13-15 F '61. (MIRA 14:2)

1. Iz kliniki obshchey khirurgii (zav. - direktor med.nauk I.K. Karayev) Andizhanskogo meditsinskogo instituta (dir. - zasluzhennyy vrach UzSSR U.A. Alimov) i Andizhanskoy detskoy bol'nitsy (glavnyy vrach U.A. Dzhalalov).
(PURPURA (PATHOLOGY)) (ABDOMEN—DISEASES)

IBADOV, I.Yu.; FIMUSHKINA, Ye.Z. [Fimushkina, IE.Z.]

Microflora in the urine of children with cystolithiosis. Mikrobiol. zhur. 24 no.3:32-34 '62. (MIRA 15:8)

1. Andizhanskiy meditsinskiy institut, Uzbekskaya SSR.
(URINE -MICROBIOLOGY) (CALCULI, URINARY)

KARAYEV, I.K.; KARIYEV, T.M.; IBADOV, I.Yu.

Combined subcutaneous injuries of the pancreas and organs of the abdominal cavity. Khirurgiia no.3:36-40 '62.
(MIRA 15:3)

1. Iz kliniki obshchey khirurgii (zav. - prof. I.K. Karayev) Andizhanskogo meditsinskogo instituta.
(PANCREAS--WOUNDS AND INJURIES) (ABDOMEN--WOUNDS AND INJURIES)

KARAYEV, I. K., prof.; IBADOV, I. Yu.

Some etiological and pathogenic problems of urolithiasis in children. Med. zhur. Uzb. no.6:33-35 Je '62.
(MIRA 15:7)

1. Iz kliniki obshchey khirurgii Andizhanskogo gosudarstvennogo meditsinskogo instituta.

(ANDIZHAN PROVINCE--CALCULI, URINARY)

KARAYEV, I.K.; IBADOV, I.Yu.

Endemic urolithiasis in children of Andizhan Province. Sov. med. 26 no.11:120-124 N'62 (MIRA 17:3)

1. Iz kliniki obshchey khirurgii (zav. - prof. I.K.Karayev) Andizhanskogo meditsinskogo instituta.

IBADOV, I. Yu, assistent

Subcutaneous injuries of the organs of the abdominal cavity. Khirurgiia 38 no.5:136-137 My '62. (MIRA 15:6)

1. Iz kliniki obshchey khirurgii (zav. - doktor meditsinskikh nauk I. K. Karayev) Andizhanskogo meditsinskogo instituta.

(ABDOMEN—WOUNDS AND INJURIES)

IBADOV, I. Yu. (Andizhan)

Subcutaneous lesions of the liver. Fel'd. i akush. 27 no.6: 8-11 Je '62. (MIRA 15:7)

(LIVER—WOUNDS AND INJURIES)

IBADOV, I.Yu., assistent

Spontaneous rupture of an echinococcal ovarian cyst. Akush. i gin. no.1:131 '63. (MIRA 17:6)

1. Iz kliniki obshchey khirurgii (zav. - doktor med. nauk I.K. Karayev) Andizhanskogo meditsinskogo instituta.

KARAYEV, I.K.; IBADOV, I.Yu.

Data from the examination of the spectral emission of calculi removed from the urinary tract of children. Azerbaidzh. med. zh. 6:18-26 Je'63 (MIRA 17:1)

1. Iz kafedry obshchey khirurgii Andizhanskogo gosudarstvennogo meditsinskogo instituta.

IBADOV, I.Yu.

Water-salt metabolism in children with endemic urolithiasis.
Pediatriia 42 no.8:38-39 Ag'63 (MIRA 17:4)

1. Iz kliniki obshchey khirurgii (zav. - prof. I.K.Karayev)
Andizhanskogo meditsinskogo instituta.

IBADOV, I.Yu., kand. med. nauk

Protein calculi of the urinary bladder and urethra in children. Urologiia. no.5:53-54 '64. (MIRA 18:8)

1. Khirurgicheskaya klinika Andizhanskogo meditsinskogo instituta.

IBADOV, M. A.: Master Tech Sci (diss) -- "Principles of structural technology". Baku, 1959. 18 pp (Min Higher Educ USSR, Main Admin of Polytech and Machine-building Vuzes, Azerb Polytech Inst), 150 copies (KL, No 9, 1959, 114)

IBADOV, N.A., dotsent; KASAKIN, S.I., assistant

Cases of variations of certain arteries in man. Med. zhur. Uzb. no.4:71 Ap '60. (MIRA 15:3)

1. Iz kafedry normal'noy anatomii (zav. - prof. M.N. Khalkuziyev) Samarkandskogo gosudarstvennogo meditsinskogo instituta imeni I.P. Pavlova.
(ARTERIES--ABNORMITIES AND DEFORMITIES)

IBADOV, N.A., dotsent

Venous blood supply of the duodenum and the head of the pancreas. Nauch. trudy SamMI 21:55-56 '62. (MIRA 17:5)

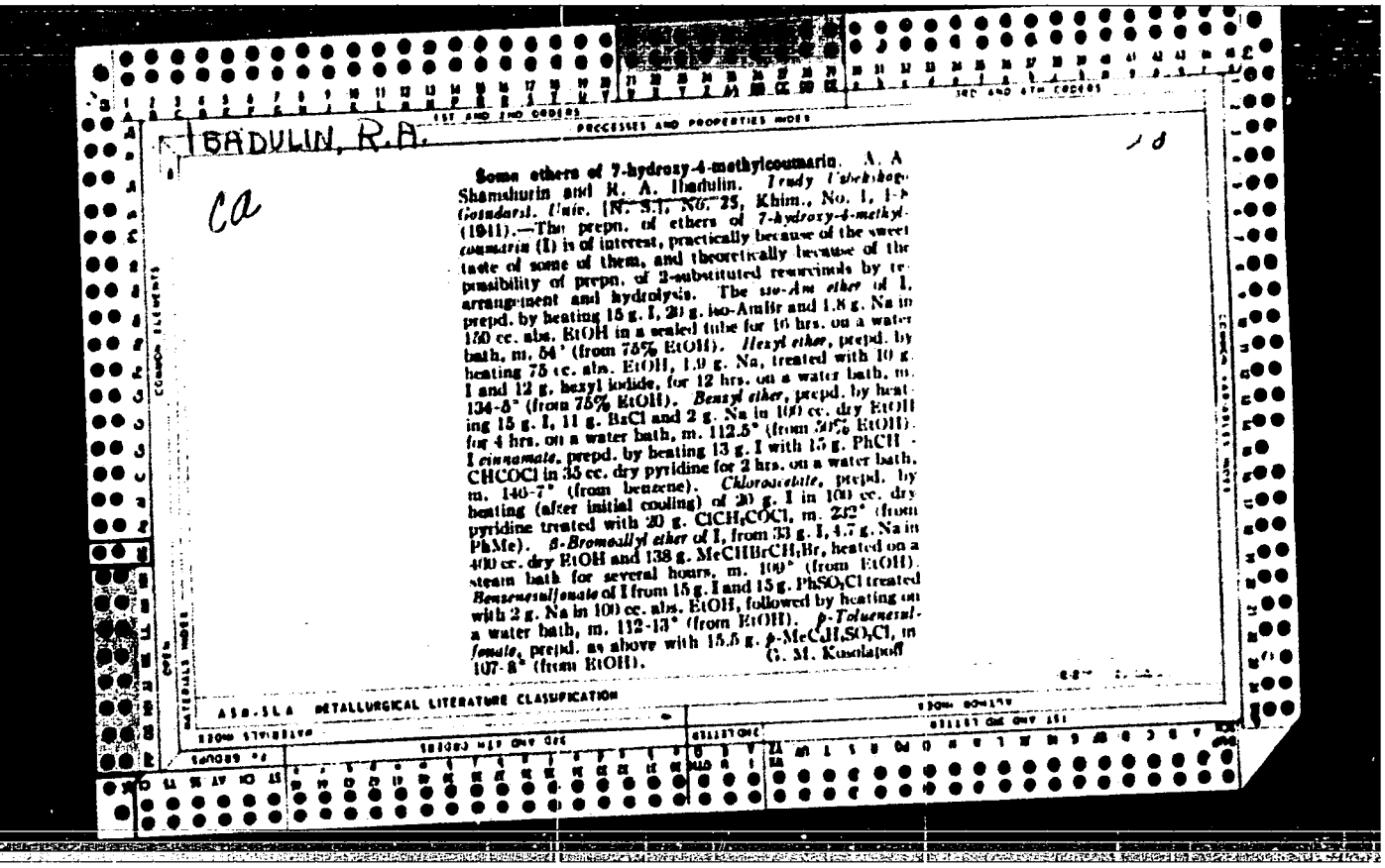
1. Iz kafedry anatomii cheloveka Samarkandskogo meditsinskogo instituta imeni Pavlova.

IBADULIN, R.A.

CA

Synthesis of methylnonylbenzylcarbinol. A. A. Shamshurin and R. A. Ibadulin. *Trudy Uzbekskogo Gosudarst. Univ., Sbornik Rabot Khim.* 15, 40-2(1939).—In a 1-l. flask provided with a reflux condenser, drop funnel and a stirrer with a Hg seal place 8 g. (1/3 mol.) of dry Mg shavings and 200 ml. of dry ether, add drop by drop from the funnel with mixing an ether soln. (1:1) of dried (with $CaCl_2$), freshly prepd. $PhCH_2Cl$, m. 170–9°, equiv. to 43 g. (1/3 mol.). The reaction is started by adding a crystal of I and by immersing the flask in warm water, which is later cooled with ice. Let the soln. stand overnight with const. mixing, heat in a water bath for 1 hr., cool the product of the reaction in an ice bath, add an ether soln. (2:1) of freshly distd. (*in vacuo*) Me nonyl ketone, b_{10} 107–8°, equiv. to 57 g. (1/3 mol.) and keep in a water bath for 1 hr. with const. mixing. After cooling decomp. the org. Mg complex with ice and 10% H_2SO_4, sep. the upper ether layer, ext. the aq. layer 3 times with ether, combine the exts. and wash several times with soda and water. Dry with Na_2SO_4, distil off the ether, freeze out the bibenzyl from the settled oil, filter the bibenzyl crystals in a Büchner funnel as rapidly as possible and distil the filtrate *in vacuo*. The bibenzyl was recrystd. and identified (m. 53°). Since the product was contaminated with traces of ketone (odor of oranges) the mixt. was fractionally distd. twice *in vacuo*. The yield of the main portion, b_4 179°, was 58 g. (68%). The methylnonylbenzylcarbinol, [illegible], is an oily, nearly colorless liquid with a mushroom odor, d_{20} 0.9273, n^{20}_D 1.490, mol. wt. in freezing benzene 250 [illegible], [illegible] no. (Zerevitinov) 0.03% (calcd. 0.38%). Two references. W. R. H[illegible]

METALLURGICAL LITERATURE CLASSIFICATION



BADULIN, R.A.

ca

Some ethers of 7-hydroxy-4-methylcoumarin. A. A. Shamshurin and R. A. Badulin. *Trudy Uzbekskogo Gosudarst. Univ.* [N. S.], *No.* 25, Khim., No. 1, 1-8 (1941).—The prepn. of ethers of *7-hydroxy-4-methylcoumarin* (I) is of interest, practically because of the sweet taste of some of them, and theoretically because of the possibility of prepn. of 2-substituted resorcinols by transarrangement and hydrolysis. The *iso-Amyl ether* of I, prepd. by heating 15 g. I, 20 g. iso-AmBr and 1.8 g. Na in 150 cc. abs. EtOH in a sealed tube for 16 hrs. on a water bath, m. 84° (from 75% EtOH). *Hexyl ether*, prepd. by heating 75 cc. abs. EtOH, 1.9 g. Na, treated with 10 g. I and 12 g. hexyl iodide, for 12 hrs. on a water bath, m. 134-5° (from 75% EtOH). *Benzyl ether*, prepd. by heating 15 g. I, 11 g. BzCl and 2 g. Na in 100 cc. dry EtOH for 4 hrs. on a water bath, m. 112.5° (from 50% EtOH). I *cinnamate*, prepd. by heating 13 g. I with 15 g. PhCH:CHCOCl in 35 cc. dry pyridine for 2 hrs. on a water bath, m. 140-7° (from benzene). *Chloroacetate*, prepd. by heating (after initial cooling) of 20 g. I in 100 cc. dry pyridine treated with 20 g. $ClCH_2COCl$, m. 252° (from PhMe). *β-Bromoallyl ether* of I, from 33 g. I, 4.7 g. Na in 400 cc. dry EtOH and 138 g. $MeCHBrCH_2Br$, heated on a steam bath for several hours, m. 109° (from EtOH). *Benzenesulfonate* of I from 15 g. I and 15 g. $PhSO_2Cl$ treated with 2 g. Na in 100 cc. abs. EtOH, followed by heating on a water bath, m. 112-13° (from EtOH). *p-Toluenesulfonate*, prepd. as above with 15.5 g. *p*-$MeC_6H_4SO_2Cl$, m. 107-8° (from EtOH).

G. M. Kosolapoff

A58-5L4 METALLURGICAL LITERATURE CLASSIFICATION

Ibabulin, A. A.

CA

1

Thermal polymerization of allylphenol ethers. I. Polymerization of methyl, ethyl, and isopropyl ethers of 2-allylphenol. A. A. Shamshurin and R. A. Ibadulin. *Zhur. Obshchei Khim.* (J. Gen. Chem.) 19, 1099 74(1949). —Homogeneous polymerization of the ethers at 250° yields only the dimers, apparently with linear structure (Staudinger viscometric method) and with a residual double bond. The process can be followed by the variation of n_D over the 200-hr. expt. in sealed tubes.; density can be used also, but viscosity gives but a small variation with the Me and Et ethers, although with the iso-Pr deriv. the change is large. The time-property curves are essentially linear, with the iso-Pr deriv. giving a rather sharp increase in 1st 50 hrs., followed by a linear curve up to 200 hrs., when 53.6% Me, 31.91%; Et, and 65.15% iso-Pr derivs. are polymerized. *2-Allylphenol*, prepd. in 72%, yield by rearrangement of $PhOCH_2CH{:}CH_2$ 6 hrs. at 180-230°, b_{11} 101-3°, b_{760} 218-19°, d_4^{20} 1.0161, n_D^{20} 1.5181, was converted to the *ethers* in 48-72%; yields by heating with RX in alc. EtONa: *Me*, b_3 80-2°, d_4^{20} 0.9763, n_D^{20} 1.5232 (*dimer*, viscous liquid); *Et*, b_3 70-1°, d_4^{20} 0.9511, n_D^{20} 1.5110 (*dimer*, similar to the above); *iso-Pr*, b_3 65°, d_4^{20} 0.9415, n_D^{20} 1.5013, (*dimer*, similar to the above). All dimers add Br.

G. M. Kosolapoff

Lab. Org. Chem., Samarkand Ind. Inst.

IBADULIN R.A.; SHAMSHURIN, A.A.

Thermal polymerisation of allyl phenol. Dokl. AN Tadzh.SSR no.1:8-12 '51. (MLRA 9:10)

1. Insitut khimii Akademii nauk Tadzhikskoy SSSR, Kafedra khimii Uzbekskogo Gosudarstvennogo universiteta. Predstavleno deystvitel'nym chlenom Akademii nauk Tadzhikskoy SSR S.Yusupovoy.
(Polymers and polymerization)
(Cresol)

IBADULLAYEV, F.I.; ARUTYUNYANTS, S.I.

Removing Trichodesma incana seeds from forage grain.
Veterinariia 42 no.11:89-91 N '65.
(MIRA 19:1)

1. Uzbekskiy nauchno-issledovatel'skiy veterinarnyy institut.

DZEVENTSKAYA, V.A.; IBADULLAYAV, S.I.; TIMONINA, A.N.

Astrakhanite from Golodnaya Steppe. Dokl. AN Uz. SSR no.10:17-19 '57. (MIRA 11:5)

1. Sredneaziatskiy politekhnicheskiy institut. Predstavleno akademikom AN UzSSR A.S. Uklonskim.
(Golodnaya Steppe--Bloedite)

IBADULLAYEV, S.I.

Sodium beryls in a pegmatite deposit. Uzb.geol.zhur. no.2:93-96 '58. (MIRA 12:2)

1.Sredneaziatskiy politekhnicheskiy institut.
(Beryl)

IBADULLAYEV, S.I.

Garnets from one of the Kara-Tyube pegmatite deposits. Uzb. geol.zhur. no.3:103-105 '58. (MIRA 12:1)

1. Sredneaziatskiy politekhnicheskiy institut.
(Kara-Tuybe Mountains--Garnet)

AKRAMKHODZHAYEV, A.M.; AKHMEDZHANOV, M.A.; BABAYEV, A.G.; BABAYEV, K.L.; BATALOV, A.B.; BASHAYEV, N.P.; BAYMUKHAMEDOV, Kh.N.; BRAGIN, K.A.; BORISOV, O.M.; GABRIL'YAN, A.Sh.; GAR'KOVETS, V.G.; GOR'KOVOY, O.P.; GRIGORYANTS, S.V.; IBADULLAYEV, S.I.; ISMAILOV, M.I.; ISAMUKHAMEDOV, I.M.; KAKHKHAROV, A.; KENESARIN, N.A.; KRYLOV, M.M.; KUCHUKOVA, M.S.; LORDKIPANIDZE, L.N.; MAVLYANOV, G.A.; MOTSOKINA, T.M.; MALAKHOV, A.A.; MIRBABAYEV, M.Yu.; MIRKHODZHIYEV, I.M.; MUSIN, R.A.; NABIYEV, K.A.; PETROV, N.P.; POPOV, V.I.; PLATONOVA, N.A.; RYZHKOV, O.A.; SAYDALIYEVA, M.S.; SERGUN'KOVA, O.I.; SLYADNEV, A.F.; TULYAGANOV, Kh.T.; UKLONSKIY, A.S.; KHAMRABAYEV, I.Kh.; KHODZHIBAYEV, N.N.; CHUMAKOV, I.D.; SHAVLO, S.G.

Khabib Mukhamedovich Abdullaev; obituary. Uzb.geol.zhur. 6 no.4:7-9 '62. (MIRA 15:9)
(Abdullaev, Khabib Mukhamedovich, 1912-1962)

IBADULLAYEV, S.I.

Some data on the composition of vesuvian (western Uzbekistan). Trudy Sred.-Az.politekh.inst. no.12:70-72 '61.

Muscovite in the pegmatites of a deposit in Central Asia. Ibid.:73-75 (MIRA 18:12)

IBAD-ZADE, J.A. [Ibad-Zade, Yu.A.], prof. Dr.Sc.

Determining the shape of the river bed form in a curved section by the method of gradual approach. Vodohosp cas 12 no.4:388-403 '64.

1. Institute of Geography of the Academy of Sciences of the Azerbaijan S.S.R.

IBAD-ZADE, Yu. A.

"Pressures on Spillway Walls with Wide Baffles," Gidrotekh. Stroi., No.3, 1949

IBAD-ZADE, Yu. A.

"The Effect of Blasting on the Water Permeability of Soils," Gidrotekh. Stroi., No.5, 1949

IBAD-ZADE, Yu. A.

"The Division of Flow in Eroded River Beds," Gidrotekh.Stroi, No.10, 1949

1. IBAD-ZADE, YU. A.

2. USSR 600

4. Rivers

7. Establishing a stable profile of a river bed, Gidr. stroi, 21, No. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

IBAD-ZADE, Yu. A.

"Hydraulic Elements of Currents in Natural Waterways"

Dok Akad Nauk Azer SSR Vol 10, No 2, 1954 pp 87-93

abstract

W-31098, 26 Nov 54

IBAD-ZADE, Yu.A.; DMITRIYEV, O.T.

Rate of flow of bottom sedimentation. Dokl.AN Azerb.SSR 10 no.4: 241-245 '54. (MLRA 8:4)

1. Predstavleno deystvitel'nym chlenom Akademii nauk Azerbaydzhanskoy SSR I.G.Yes'manom.
(Hydraulics)

124-57-2-1899

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 61 (USSR)

AUTHOR: Ibad-Zade, Yu. A

TITLE: Investigating Various Forms of Stream Motion (Issledovaniye form dvizheniya potoka)

PERIODICAL: Dokl. AN AzSSR, 1954, Vol 10, Nr 7, pp 459-465

ABSTRACT: A further development of the work of G. T. Dmitriyev (Dokl. AN AzSSR, 1952, Vol 8, Nr 5). Using the formula on the "dimensionless frictional distance"

$$y_\delta'' = \frac{u_{bottom}}{v}\,\frac{C}{\sqrt{g}} = \frac{u_{bottom}}{v}\sqrt{\frac{8}{g}}$$

and noting that $\lambda = 8g/C^2$, the author determines the various characteristics of the flow, and, in particular

$$\alpha = (W_t)_{bottom}/W_o$$

namely, the ratio of the local (bottom-water) velocity of the specific-energy transfer, taken from the stream, to the full work

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124-57-2-1899

Investigating Various Forms of Stream Motion

of the stream that is required to overcome a frictional resistance in a unit time over a unit length of the channel. The author considers that, if the channel is characterized by a velocity factor $C \geq 40$ ($\lambda \leq 0.0491$), then

$$\alpha = u_{bottom}/v, \qquad (W_t)_{bottom} = P\, u_{bottom} \qquad (P = \gamma i h)$$

where P is the resistance force (according to Dubois). The values:

$$C = 40, \qquad \eta_c = y_c/h = 0.179, \qquad \text{and} \qquad y_\delta^* = 8$$

according to the author divide the streams into two distinct groups which differ from one another by the process of the formation of vorticity and turbulence in the bottom-water regions with an energy deficit and according to the law of resistance. The article contains many typesetting errors and uses an arbitrary terminology. Bibliography: 5 references.

1. Inland waterways--Motion 2. Inland waterways--Mathematical analysis

V.S. Yablonskiy

Card 2/2 ENERGETICHESKIY INSTITUT AKADEMII NAUK AZERBAYDZHANSKOY SSR.

(PREDSTAVLEN DEYSTV. CHLENOM AN AZERBAYDZHANSKOY SSR I.G. YES'MANOV.)

IBAD-ZADE, Yu.A.

IBAD-ZADE, Yu.A.

Behavior of a free water surface in places of stream division and its optimal diversion angle. Izv. AN Azerb.SSR no.4:3-24 Ap'55. (Fluid dynamics) (MLRA 8:11)

IBAD-ZADE, Yu.A.

"Hydraulic Plan of the Optimal Angle of Diversion During the Rectification of the Bends of Rivers" Dokl. AN Az SSR, Vol 11, No2, 1955, 87-92 (Azerbaydzhani resume)

Using the theorem of the quantity of motion for rectangular cross sections of a river bed above and below a diversion the author derives a formula for the optimal angle of diversions of a junction. He states that experimental measurements at an actual rectification site intended as a check of the formula gave satisfactory results. (RZhMekh, No.9,1955)

SOV/124-57-8-8948

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 53 (USSR)

AUTHOR: Ibad-Zade, Yu. A.

TITLE: Investigation of the Motion of Bed Loads (Issledovaniye dvizheniya donnykh nanosov)

PERIODICAL: Izv. AN AzSSR, 1956, Nr 6, pp 3-18

ABSTRACT: An examination of calculation methods for the motion of bed loads. At the outset the author provides a critical discussion of previously proposed computational relationships and indicates their merits and shortcomings. The author's statements are not in all cases accurate; thus, his assertion that the reviewer's investigations are germane in their methodology to the investigations of P. N. Surov (Izv. Vses. n.-i. in-ta gidrotekhn., 1940, Vol 27) is at variance with the facts; the works of V. N. Goncharov are not sufficiently explored, particularly the solution proposed by him relative to the problem of the dynamic-continuity coefficient of the motion of sediments which has great practical significance. The concluding portion of the paper contains a computational scheme by the author which is based on energy concepts. He evaluates therein the energy transported per

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unit time within the bed layer of the current and equates the excess energy, as compared to the energy that corresponds to the initial motion of the particles, to the work expended in transporting the sediments. The latter is assumed to equal the work of the friction force between the sediments and the bottom; the result of this reasoning is the basic computational relationship (25). In reality sediments drift above the bed, lifted to some elevation and moving in a jumping fashion; hence, the work expended in transporting the sediments must be determined not only in terms of the work done by the friction forces but also in terms of the height of the ascending motion attained during the jump-skip motion over the bed. Bibliography: 14 references.

I. I. Levi

IBAD-ZADE, Yu. A., Doc of Tech Sci -- (diss) "Regulating the river bed by means of rectifying their curves." Baku, 1957, 19 pp (Moscow Institute of Engineers of Water Economy im V. R. Vil'yams), 120 copies (KL, 30-57, 109)

IRAD-ZADE, Yu.A.; KAZAKOV, S.P.

Studying hydraulic monitor jets. Dokl.AN Azerb.SSR 12 no.12:913-922 '56. (MLRA 10:8)

1.Institut energetiki Akademii nauk Azerbaydzhanskoy SSR. Predstavleno akademikom Akademii nauk Azerbaydzhanskoy SSR Z.I. Khalilovym.

(Jets--Fluid dynamics)
(Oil well drilling)

[redacted]-ZADE, Yu.A.

Plotting the transverse profile of a stream bed in a uniform channel.
Dokl.AN Azerb. SSR 13 no.6:617-622 '57. (MIRA 10:8)

1.Institut energetiki Akademii nauk Azerbaydzhanskoy SSR.
Predstavleno akademikom AN Azerbaydzhanskoy SSR M.F. Nagiyevym.
(Hydraulic engineering)

IBAD-ZADE, Yu.A.

Construction of the cross-sectional profile of a self-cutting channel. Izv. AN Azerb. SSR. Ser. fiz. tekh. i khim nauk. no.4:93-108 '58. (MIRA 11:11)

(Rivers)

IBAD-ZADE, Yu.A.

Hydraulic elements of a stream bed in heterogeneous soils [in Azerbaijani with summary in Russian]. Dokl. AN Azerb.SSR 14 no.9:673-680 '58. (MIRA 11:10)

1. Institut energetiki AN AzerSSR.
(Hydraulics)

IBAD-ZADE, Yusif Alikulu ogly; ZOLIN, M.L.; SAFAR-ZADE, A.K.; ORLOVA, V.P., red.; BALLOD, A.I., tekhn.red.; MAKHOVA, N.N., tekhn.red.

[Raising the level of ground water for irrigation and water supply] Pod"em podzemnykh vod dlia obvodneniia i oroshenila. Pod red. IU.A.Ibad-Zade. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 247 p. (MIRA 13:2)

1. Deystvitel'nyy chlen Akademii sel'skokhoz.nauk Azerb.SSR (for Ibad-zade).
(Water, Underground)

30(1)

AUTHOR: Ibad-Zade, Yu. A., Member

SOV/98-59-7-11/22

TITLE: Hydraulic Factors in the Straightening of River Beds

PERIODICAL: Gidrotechnicheskoye stroitel'stvo, 1959, Nr 7, pp 49 - 51 (USSR)

ABSTRACT: The formulas explained here relate to the calculations of the maximum hydraulic radius of a flow of water when the width of the river bed is known. The task is to find the curve $y = f(x)$ of a given length, when the area ω between the curved line ACB and the straight line AB is at its maximum (Fig 1). First, the extreme of the functional $\omega = \int_{x_0}^{x_1} y\,dx$ is obtained: $y(x_0)=y_0$, $y(x_1)=y_1$ and also $\int_{x_0}^{x_1}\sqrt{1 + y'^2}\,dx = l$, where l is constant. Since the shape of the curve was previously unknown, its length may be replaced by the breadth of the river B with sufficient accuracy. By applying an auxiliary functionary having an absolute extreme, we obtain:

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Hydraulic Factors in the Straightening of River Beds

$$S = \int_{x_0}^{x_1} (y + 2\sqrt{1 + y'^2})dx \; ; \text{ then } y + 2\sqrt{1 + y'^2} = F.$$

The curve $y=f(x)$ then realizes its extreme:

$$Fy - \frac{d}{dx} F'y = 0$$

where

$$\left.\begin{aligned} Fy &= \frac{d}{dy} F(x,y,y') \\ Fy' &= \frac{d}{dy} F(x,y,y') \end{aligned}\right\}$$

Here y' is regarded as an independent variable:

$$\frac{dF'y}{dx} = \frac{dF'y}{dx} + y' \frac{dF'y}{dy} + y'' \frac{dF'y}{dy'}$$

whence we obtain: $$Fy - \frac{dF'y}{dx} - y'\frac{dF'y}{dy} - y''\frac{dF'y}{dy'} = 0$$

Card 2/5 Since in this case F contains no x, we obtain:

$$\frac{dF'y}{dx} = 0 \text{ and } y'' \frac{dF'y}{dy'} = 0$$

i.e., $Fy - y' \frac{dF'y}{dy} = 0$

or $\frac{dF}{dy} - y' \frac{dF'y}{dy} = 0$, or $F - y'F'y = C_1$ and

$F'y = \frac{dF}{dy'} = \frac{y'}{\sqrt{1+y'^2}}$ Hence $y + \sqrt{1+y'^2} - \frac{\lambda y'^2}{\sqrt{1+y'^2}} = C_1$

or $y = C_1 - \lambda \cos \varphi$

By excluding the parameter φ, we obtain:

$(x-C_2)^2 + (y-C_1)^2 = \lambda^2(\sin^2\varphi + \cos^2\varphi) = \lambda^2$

hence $\lambda = r$

However, the constant shape of the cross-section depends on the nature of the river-bed (Fig 1). For coordinates of Point $M(x_0,y_0)$ we obtain:

Hydraulic Factors in the Straightening of River Beds

$$x_o = \frac{r}{\sqrt{1+m^2}} = \frac{r}{\sqrt{1+\frac{\cos^2\varphi}{\sin^2\varphi}}} = r\sin\alpha \quad y = r\cos\alpha$$

It is thus not difficult to obtain the figures for the wet perimeter: $x = 2r\alpha = \alpha h_m\left[1+\left(\frac{1}{\sin\alpha}+m\right)^2\right]$

and the hydraulic radius: $R = \frac{2}{3}x\frac{\sin\alpha}{\alpha}h_m$

The average rate of flow will be:

$$U = \left(\frac{2}{3}x\frac{\sin\alpha}{\alpha}\right)^{0.5+y} h_m^{0.5+y}\frac{I^{0.5}}{n}$$

Taking $\frac{\sin\alpha}{\alpha}\approx 1$ and $y = \frac{1}{6}$, we obtain

$U = 0.765h_m^{2/3}\frac{I^{0,5^6}}{n}$ the rate of flow being

$Q = U\omega = I\,h_m^{2,5+y}\frac{I_{0.5}}{n}$

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Hydraulic Factors in the Straightening of River Beds

thus: $H_1 = 1.02 \left(\frac{1}{\sin \alpha} + m\right)\left(\frac{\sin \alpha}{\alpha}\right)^{2/3}$

Fig 2 shows a graph of this calculation as applied to the River Kura, where it is producing evidence of its reliability in practice. There is 1 diagram, 1 graph, and 5 Soviet references.

ASSOCIATION: Akademiya s.-kh. nauk Azerbaydzhanskoy SSR (Academy of Agricultural Sciences of the Azerbaydzhanskaya SSR)

Card 5/5

IBAD-ZADE, Yu.A.

Hydraulic factors characterizing an eroding stream bed. Dokl. AN Azerb. SSR 15 no.9:797-802 '59. (MIRA 13:2)

1. Energeticheskiy institut im. I.G. Yes'mana.
(Hydraulics)

IBAD-ZADE, Yu.A., doktor tekhn.nauk

Velocity distribution across the channel width. Gidr.stroi. 30 no.7:43-46 Jl '60. (MIRA 13:7)

1. Deystv. chlen Akademii sel'skokhozyaystvennykh nauk Azerbaydzhanskoy SSR.
(Hydraulics)

IBAD-ZADE, Yu.A., doktor tekhn. nauk; MIRDZHANOV, S.M., red.

[Hydraulics of the straightening of river meanders] Gidravlika spriamlenii izluchin rek. Baku, Izd-vo Azerb. Akad. sel'khoz. nauk, 1961. 279 p. (MIRA 17:8)

IBAD-ZADE, Yu.A., doktor sel'khoz. nauk, prof.; KHASIN, L.N., red.izd-va

[Water conveying and measuring structures in irrigation] Vodoprovodiashchie i vodoizmeritel'nye sooruzheniia pri oroshenii. Baku, M-vo sel'.khoz. Azerb. SSR, 1961. 291 p. (MIRA 16:9)

(Azerbaijan—Irrigation canals and flumes)

IBAD-ZADE, Yu.A.; KIYASBEYLI, T.N.

Formation of mud flow beds at shore protection installations.
Dokl.AN AzerbSSR 20 no.10:69-72 '64. (MIRA 18:2)

1. Institut geografii AN AzerbSSR.

IBAD-ZADE, Yu.A.; NURIYEV, Ch.G.

Calculation of silting in a stream. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.3:111-118 '65. (MIRA 18:9)

VOYEVODIN, A.V., kand. sel'skokhoz. nauk; IVANOVA, Ye.I., aspirantka; BAGIROV, G.D.; IGAMBERDYYEV, Kh., aspirant; TKACH, M.T., agronom; IBAGIMOV, G.R., doktor sel'skokhoz. nauk; ASKEROVA, T.Z.; mladshiy nauchnyy sotrudnik; KOSHKAROVA, D.D., mladshiy nauchnyy sotrudnik; KASUMOV, V.G., mladshiy nauchnyy sotrudnik; RAGIMOV, I.R., mladshiy nauchnyy sotrudnik;

From practices in using poisonous chemicals. Zashch. rast. ot. vred. i bol. 9 no.5:22-24 '64. (MIRA 17:6)

1. Vsesoyuznyy institut zashchity rasteniy (for Voyevodin). 2. Sibirskaya opytnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta maslichnykh i efiromaslichnykh kul'tur, Isil' kul', Omskoy oblasti (for Ivanova(. 3. Azerbaydzhanskiy institut zashchity rasteniy, Kirovabad (for Bagirov). 4. Surkhandar'inskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya (for Igamberdyyev). 5. Kuybyshevskiy punkt ucheta i prognozov (for Tkach). 6. Azerbaydzhanskiy institut zashchity rasteniy (for Ibragimov, Askerova, Koshkarova, Kasumov, Ragimov). 7. Nachal'nik otryada po bor'be s vreditelyami i boleznyami rasteniy Chistopol'skogo rayona Tatarskoy ASSR (for Mironov).

IBANESCU, I.

RUMANIA/Chemical Technology - Chemical Products and Their Applications. Elements, Oxides, Mineral Acids. Bases, Salts. H-8

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8607

Author : Ciochina I., Ivascanu St., Ibanescu I.

Inst : Jassy Polytechnic Institute.

Title : New Method for Obtaining the Permanganate-Ion. Directly from Ore. III.

Orig Pub : Bul. Inst. politehn. Iasi, 1956, 2, No 1-2, 103-114

Abstract : Permanganate-ion is obtained directly from manganese ore by fusion of the ore with KOH, utilizing for further conversion to $HMnO_4$ the $CaCl_2$ byproduct of the production of $KClO_3$. From 100 kg manganese ore are obtained, accordingly, 60 kg $KMnO_4$. Use is made of a simplified oxidative fusion, since availability of special equipment for

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RUMANIA/Chemical Technology - Chemical Products and Their Application. Elements, Oxides, Mineral Acids, Bases, Salts. H-8

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8607

the drying of air was found to be immaterial. Efficient stirring and pulverization during the fusion are necessary. Best suited is a fusion containing 1 part of ore and 2 parts of KOH. If $CaCl_2$ is not available it is possible to use dolomite converted to chlorides. Oxidizing solution of $KMnO_4$ can replace NaClO and $CaCl_2O$ in textile industry.

Card 2/2

IBANESCU, I

RUMANIA/Chemical Technology. Chemical Products and Their H-2

SAVEANU, Th.; IBANESCU, I.; VASILIU, Mariana

Influence of the nature of material upon the mass transfer in the pellicular flow of the waves of a liquid. Studii chim Iasi 11 no.1: 139-148 '60. (EEAI 10:3)

1. Institutul politehnic Iasi, Laboratorul de procese si aparate.
(Film coefficients (Physics)) (Mass transfer)
(Wave mechanics) (Liquids)

SAVEANU, Th.; IBANESCU, I.; VASILIU, M.

Influence of regosity upon the mass transfer in the pellicular flow of the waves of a liquid. Studii chim Iasi 11 no.1:148-157 '60. (EEAI 10:3)

(Film coefficients (Physics)) (Mass transfer)
(Wave mechanics) (Liquids)

SAVEANU, Th.; IBANESCU, I.; VASILIU, Mariana

About the critical Reynolds number in pellicular flow. Rev chimie Min petr 13 no.10:589-592 O '62.

IBAN'YES, F.F.; LIBERMAN, V.B.; LARIONOV, A.I.

Mechanization of operational accounting in metal-cutting tool production. Stan. i instr. 36 no.11:6-9 N '65.
(MIRA 18:11)

IBAN'YES, F.F.; LIBERMAN, V.B.; BUNINA, T.S.; KATS, A.M., red.; BYCHKOVA, G.I., red.

[Experience in the operation of the EV80-3 electronic computer for calculating planning norms in serial production] Opyt primeneniia elektronnogo vychislitelia EV80-3 dlia normativno-planovykh raschetov v seriinom proizvodstve. Moskva, Statistika, 1964. 86 p. (MIRA 18:4)

IBAN'YEV, F.F., inzh.; LIBERMAN, V.B., inzh.; ORESHKIN, V.I., inzh.; CHICHKIN, A.F., inzh.

Using the EVM0-3 electronic computer for plotting monthly schedules. Mekh.i avtom.proizv. 17 no.9:35-37 S '63. (MIRA 16:10)

IBASHEV, A.M.

USSR/Farm Animals - Small Horned Stock. Q-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, 2591

Author : A.V. Potanina, A.M. Ibashev

Inst : Institute of Levestock Breeding, Dagestan Afilliate Academy of Science USSR

Title : Preliminary Results of Work on the Production of a New Pedigreed Breed of Sheep with Semi-Fine Wool and Fat Tails.

Orig Pub : Tr. In-ta zhivotnovodstva. Dagest. fil. AN SSSR, 1956, 4, 26-40

Abstract : Starting in 1949, work has been in progress in Dagestan, to produce a breed of sheep with fat tails, semi-fine wool, and one adapted to life on a mountainous range. This breed is produced by means of a reproductive cross-breeding. At first, the Wurtenberg and hybrid (Wurtenberg x Gunibskiye) rams were used. At the present time rams of

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USSR/Farm Animals - Small Horned Stock.

Abs Jour : Ref Zhur - Biol., No 1, 1958, 2591

the Dagestanskaya gornaya [mountain] breed are used. From 1949 to 1955 the amount of wool obtained from ewes increased by 0.5 kilograms (33.3%) and averages 2 kilograms. The live weight of sheep increased by 10.8 kilograms (30.3%) and averaged 45.8 kilograms. The average length of the wool fiber in a herd is 9.3 centimeters. the sheep are well adapted to maintenance on a range and can provide meat and lard. The disadvantage of this breed is their low production of wool and its uneven quality.

Card 2/2

IBNUBIN, I.

From the Dnepr River Electric Power Station Construction to the Dnepr River Hydroelectric Power Station Kharkiv, Enerhovydav, 1932.

IBATULLIN, I.A.

Pathogenesis and operative treatment of endarteritis obliterans.
Trudy TSIU 2:366-369 '61. (MIRA 15:8)
(ARTERIES--DISEASES)

IBATULLIN, K.B.

Experience with landscaping highways. Avt.dor.19 no.3:18 Mr '56.
(Lithuania--Roadside improvement) (MLRA 9:7)

RAMZAYEV, P.V.; SHAMOV, V.P.; TROITSKAYA, M.N.; LEBEDEV, O.V.; IBATULLIN, M.S.

Indirect determination of the content of Cs^{137} in the human body.
Med. rad. 10 no.6:22-28 Je '65. (MIRA 18:6)

1. Leningradskiy nauchno-issledovatel'skiy institut radiatsionnoy gigiyeny Ministerstva zdravookhraneniya RSFSR.

L 6467-66 EWT(m)/EPF(c)/ETC/EPF(n)-2/EWG(m) WW/DM
ACCESSION NR: AP5019819 UR/0089/65/019/001/0086/0089
621.039.58

AUTHOR: Ramzayev, P. V.; Belyayeva, I. A.; Gus'kova, V. N.; Ibatullin, M. S.; Konstantinov, Yu. O.; Nikolayev, S. P.; Oreshina, A. F.

TITLE: Radiation conditions near the VVR-M nuclear reactor

SOURCE: Atomnaya energiya, v. 19, no. 1, 1965, 86-89

TOPIC TAGS: argon, atmospheric contamination, radiation dosimetry, radiation hazard, radiation protection, Gamma background, radioactive waste disposal

ABSTRACT: The article deals with the determination of the concentration of radioactive waste in the atmosphere near research reactors. It is shown first that if the fuel-element cladding is hermetically sealed and the aerosols are effectively trapped, the radioactivity in the surrounding air is due for the most part to Ar^{41} (disregarding the very slight oxygen activity). The chemical inertness of the argon prevents its accumulation in the organism, its dangerous effects are due to its external γ radiation. This, on the other hand, facilitates its monitoring and prevention of harm to the population. The authors have measured the radioactive contamination of the air around the VVR-M reactor operating at 10 MW power, over an area of a 20-km radius around the reactor. No radioactive fission products,

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ACCESSION NR: AP5019819

which might appear if the fuel-element cladding is not hermetically sealed, were observed. The intensities of fallout of long-lived radioactive isotopes (total β activity and Sr^{90}) were the same near the reactor as in other control points, and were governed by global fallout conditions. The maximum γ-ray dose intensity was registered at distances 400 meters from the reactor chimney axis and amounted to 380 microrad/hr. Even under the worse conditions the limit of the maximum permissible dose (50 mber/yr) was about 1 km from the reactor on the windward side. The actual dose was much less. The authors reason that under the most stringent conditions, the permissible hourly dose intensity must not be exceeded in the guarded safety zone around the reactor, and point out that in the case of the VVR-M reactor the limit of hourly maximum dose intensity extends over distances 3--4 times larger than the limit of the maximum annual dose, and that future reactor designs must take this circumstance into account. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 20Jul64 ENCL: 00 SUB CODE: NP

NR REF SOV: 005 OTHER: 000

nw

Card 2/2

IBATULLIN, R., inzh., delegat XII s"yezda profsoyuzov.

New increased pledges. NTO no.5:52 My '59. (MIRA 12:8)

1. Chlen nauchno-tekhnicheskogo obshchestva neftyanoy i gazovoy promyshlennosti, trest "Tatburneft'."
(Tatar A.S.S.R.--Petroleum industry)

SUMBATOV, R.A.; IBATULLIN, R.Kh.; BIKCHURIN, T.N.; KOZLOV, F.A.

Drilling wells of decreased diameter using a turbotachometer.
Neft. khoz. 42 no.6:12-17 Je '64. (MIRA 17:8)

BIKCHURIN, T.N.; IBATULLIN, R.Kh.; KOZLOV, F.A.

Effect of the power supplied to bits of decreased diameter on the indices of their operation. Burenie no.4:4-10 '65. (MIRA 18:5)

1. Trest "Al'met'yevburneft'".